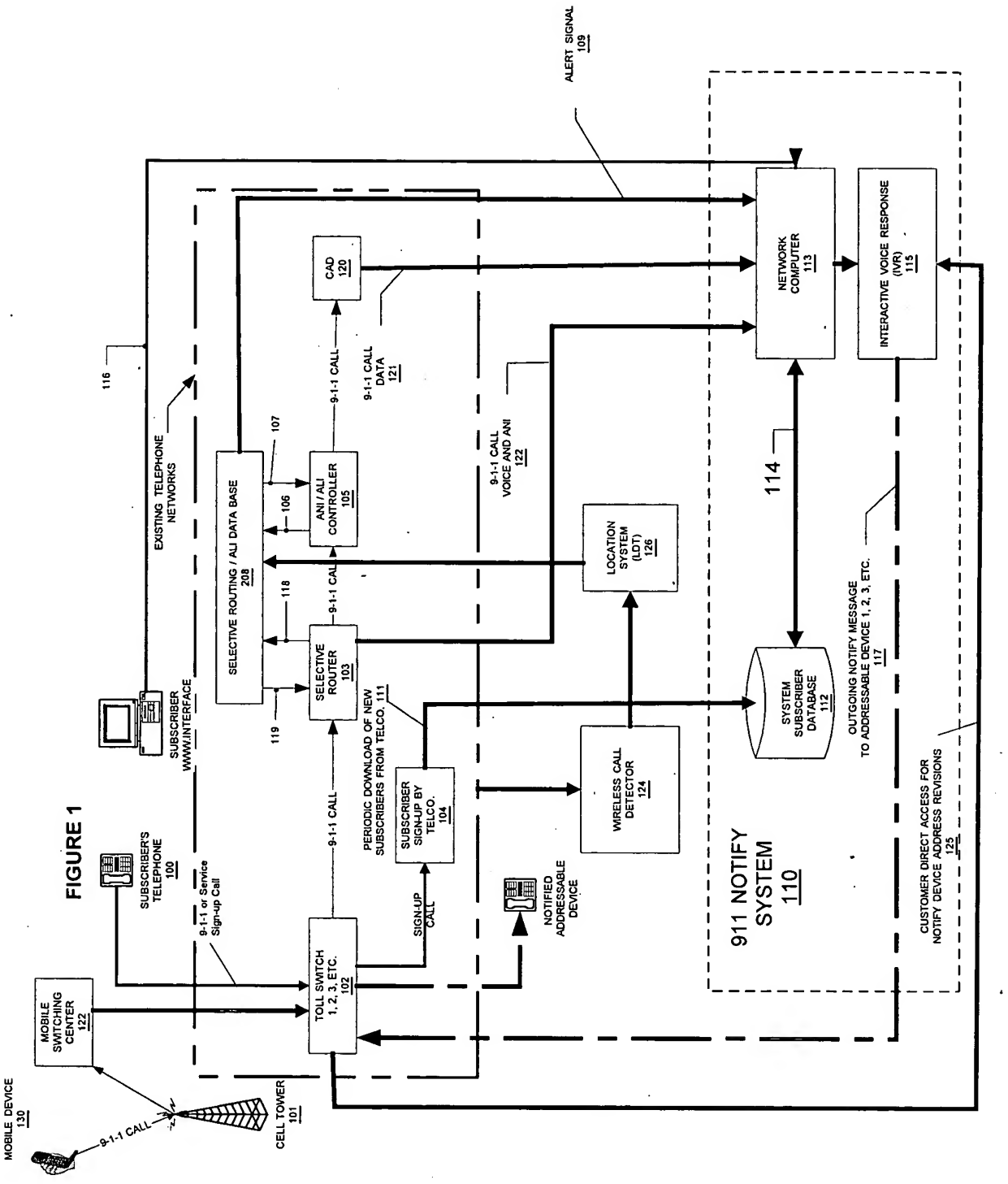
MOBILE DEVICE 130
9-1-1 CALL
CELL TOWER 101
MOBILE SWITCHING CENTER 122
TOLL SWITCH 1, 2, 3, ETC. 102
9-1-1 or Service Sign-up Call
SUBSCRIBER'S TELEPHONE 100
SUBSCRIBER WWW.INTERFACE
EXISTING TELEPHONE NETWORKS
116
9-1-1 CALL
SELECTIVE ROUTER 103
SELECTIVE ROUTING / ALI DATA BASE 208
118
119
107
106
ANI / ALI CONTROLLER 105
9-1-1 CALL
CAD 120
9-1-1 CALL DATA 121
PERIODIC DOWNLOAD OF NEW SUBSCRIBERS FROM TELCO. 111
SUBSCRIBER SIGN-UP BY TELCO. 104
SIGN-UP CALL
NOTIFIED ADDRESSABLE DEVICE
WIRELESS CALL DETECTOR 124
LOCATION SYSTEM (LDT) 126
9-1-1 CALL VOICE AND ANI 122
ALERT SIGNAL 109
911 NOTIFY SYSTEM 110
NETWORK COMPUTER 113
INTERACTIVE VOICE RESPONSE (IVR) 115
114
SYSTEM SUBSCRIBER DATABASE 112
OUTGOING NOTIFY MESSAGE TO ADDRESSABLE DEVICE 1, 2, 3, ETC. 117
CUSTOMER DIRECT ACCESS FOR NOTIFY DEVICE ADDRESS REVISIONS 125

FIGURE 1

FIGURE 2

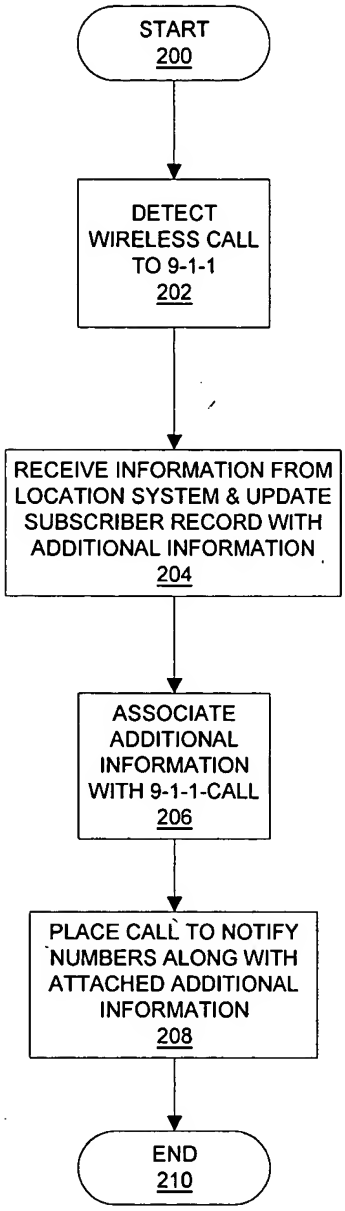
START
200
DETECT WIRELESS CALL TO 9-1-1
202
RECEIVE INFORMATION FROM LOCATION SYSTEM & UPDATE SUBSCRIBER RECORD WITH ADDITIONAL INFORMATION
204
ASSOCIATE ADDITIONAL INFORMATION WITH 9-1-1-CALL
206
PLACE CALL TO NOTIFY NUMBERS ALONG WITH ATTACHED ADDITIONAL INFORMATION
208
END
210

FIGURE 3

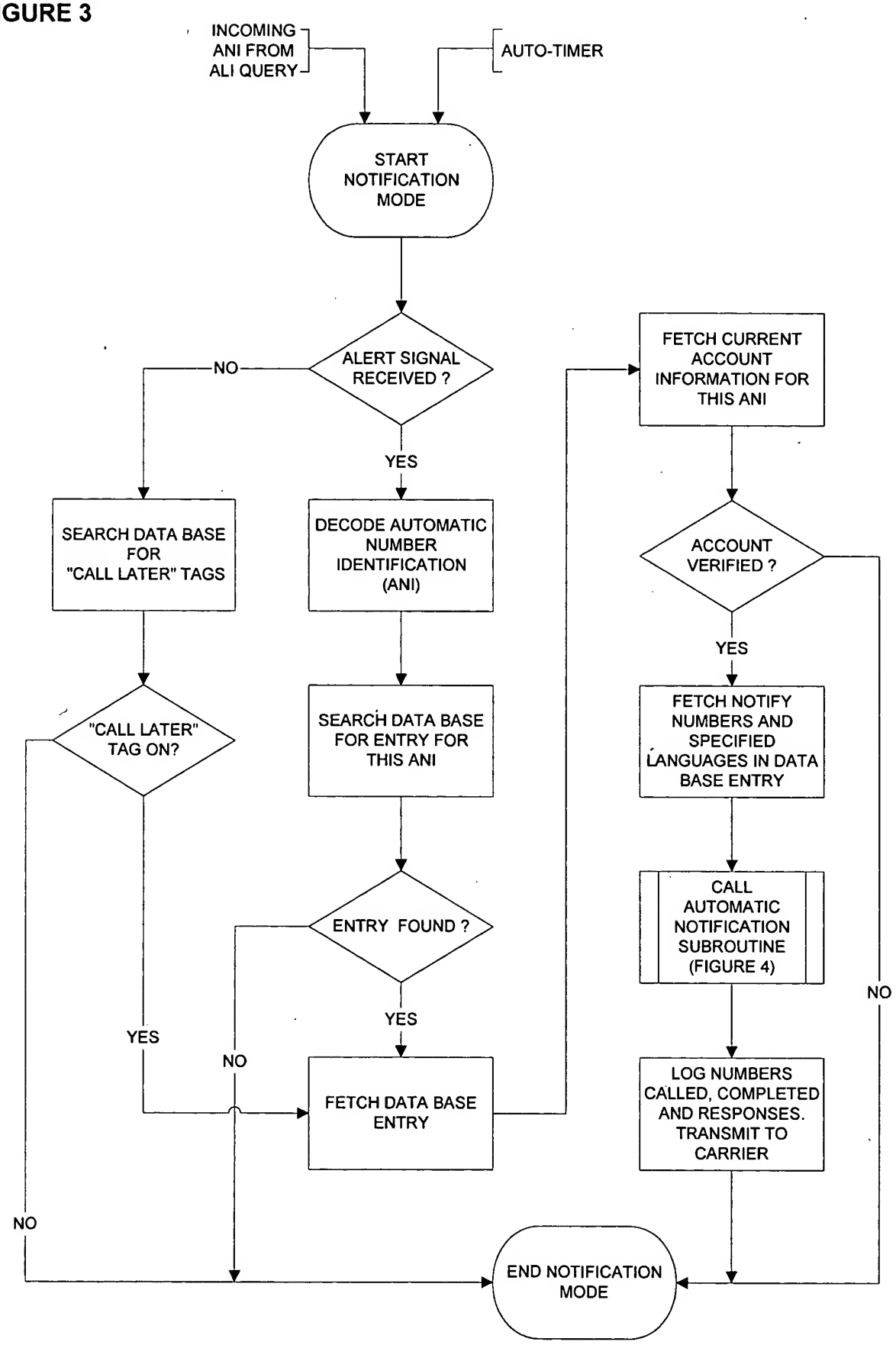
INCOMING ANI FROM ALI QUERY
AUTO-TIMER
START NOTIFICATION MODE
ALERT SIGNAL RECEIVED ?
NO
YES
SEARCH DATA BASE FOR "CALL LATER" TAGS
DECODE AUTOMATIC NUMBER IDENTIFICATION (ANI)
"CALL LATER" TAG ON?
SEARCH DATA BASE FOR ENTRY FOR THIS ANI
ENTRY FOUND ?
YES
NO
YES
NO
FETCH DATA BASE ENTRY
FETCH CURRENT ACCOUNT INFORMATION FOR THIS ANI
ACCOUNT VERIFIED ?
YES
NO
FETCH NOTIFY NUMBERS AND SPECIFIED LANGUAGES IN DATA BASE ENTRY
CALL AUTOMATIC NOTIFICATION SUBROUTINE (FIGURE 4)
LOG NUMBERS CALLED, COMPLETED AND RESPONSES. TRANSMIT TO CARRIER
NO
END NOTIFICATION MODE

FIGURE 4

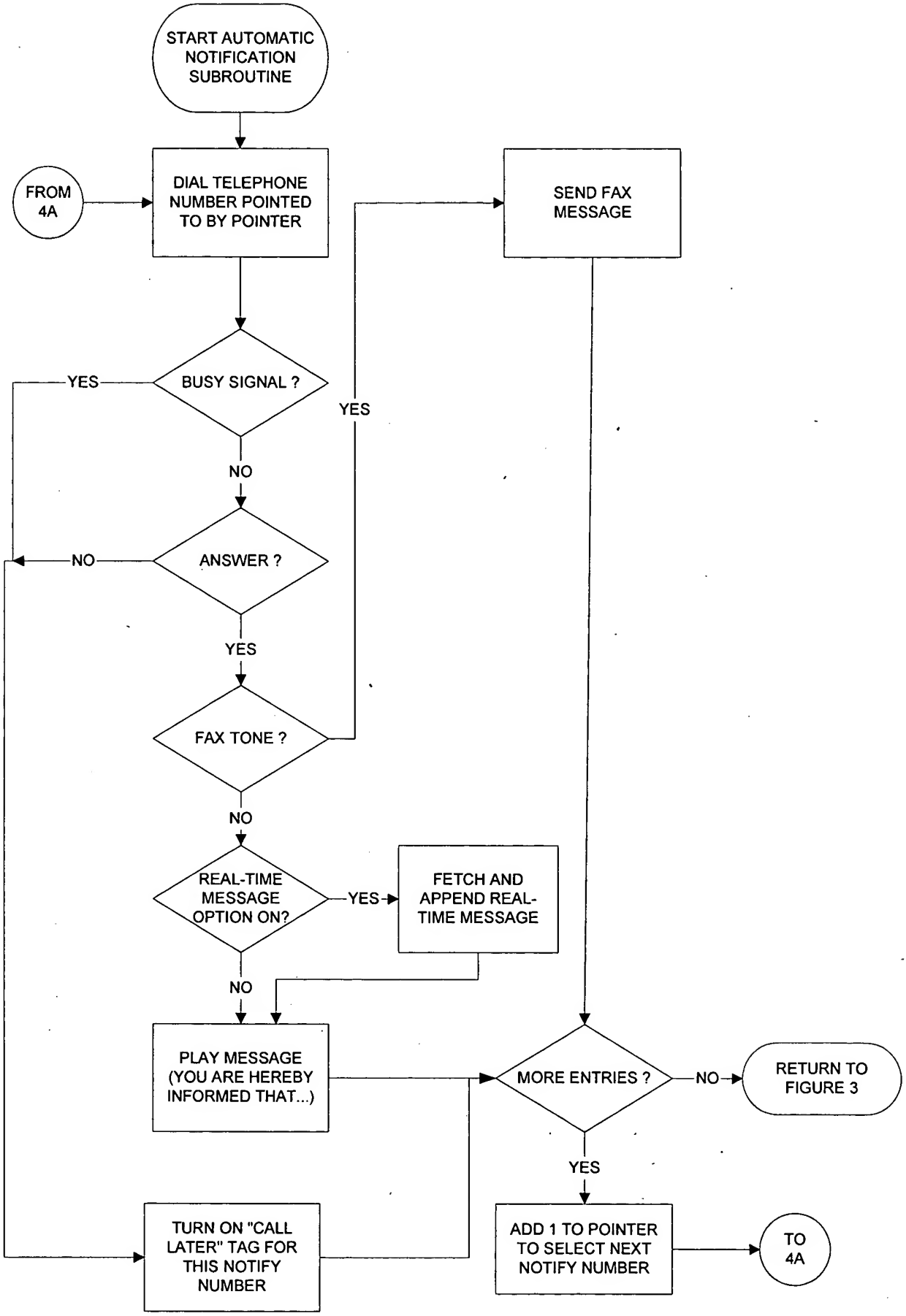
START AUTOMATIC NOTIFICATION SUBROUTINE
FROM 4A
DIAL TELEPHONE NUMBER POINTED TO BY POINTER
SEND FAX MESSAGE
BUSY SIGNAL ?
YES
NO
YES
ANSWER ?
NO
YES
FAX TONE ?
NO
REAL-TIME MESSAGE OPTION ON?
YES
FETCH AND APPEND REAL-TIME MESSAGE
NO
PLAY MESSAGE (YOU ARE HEREBY INFORMED THAT...)
MORE ENTRIES ?
NO
RETURN TO FIGURE 3
YES
TURN ON "CALL LATER" TAG FOR THIS NOTIFY NUMBER
ADD 1 TO POINTER TO SELECT NEXT NOTIFY NUMBER
TO 4A

FIGURE 5

POINTER

SUBSCRIBER NUMBER	ACCOUNT STATUS	TELEPHONY DEVICE TYPE	REAL-TIME MESSAGE OPTION	REAL-TIME MESSAGE ID	BILL TO NUMBER	NOTIFY NUMBER	INTERNET ADDRESS	INFORMATION LINE NUMBER	LANGUAGE	CALL LATER TAG	SECURITY CODE
(XXX) XXX-XXXX	X	XXX	X	XXXX	(XXX) XXX-XXXX	(XXX) XXX-XXXX	XXXXXXXXXXX	XXXXXXXXXXX	XXX	x	xxx
(XXX) XXX-XXXX	X	XXX	X	XXXX	(XXX) XXX-XXXX	(XXX) XXX-XXXX	XXXXXXXXXXX	XXXXXXXXXXX	XXX	x	xxx
(XXX) XXX-XXXX	X	XXX	X	XXXX	(XXX) XXX-XXXX	(XXX) XXX-XXXX	XXXXXXXXXXX	XXXXXXXXXXX	XXX	x	xxx
(XXX) XXX-XXXX	X	XXX	X	XXXX	(XXX) XXX-XXXX	(XXX) XXX-XXXX	XXXXXXXXXXX	XXXXXXXXXXX	XXX	x	xxx